LAND APPLICATION SITE WAYNE C. BARNES DWWYB 1-6 DINWIDDIE COUNTY

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS A. This land application agreement is made on							
The Landowner is the owner the agricultural, silvicultural attached as Exhibit A.	er of record of the real property or reclamation sites identified	Delow III Table 1 and Identifi	led off the tax map(e)				
Table 1.: Parcels aut	horized to receive biosolids, w	ater treatment residuals or o	ther industrial sludges				
Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID				
71-12							
71-11							
71-11A							
71-9							
	d Application Sites are identified on S	upplement A (check if applicable)	A) system				
			herein				
Check one: S Th	e Landowner is the sole owne e Landowner is one of multiple	e owners of the properties id	entified herein.				
within 38 months of the late 1. Notify the purchase later than the date 2. Notify the Permittee The Landowner has no other notify the Permittee immedition or application or any part of incorrect.	wner sells or transfers all or payed date of biosolids application or or transferee of the applicable of the property transfer; and e of the sale within two weeks er agreements for land applicately if conditions change such this agreement becomes invested as a semilar to the parmitted.	n, the Landowner shall: le public access and crop m following property transfer. ation on the fields identified h that the fields are no longer alid or the information herein	anagement restrictions no nerein. The Landowner will er available to the Permittee n contained becomes				
agricultural sites identified a inspections on the land ide purpose of determining con	ntified above, before, during o npliance with regulatory requir	andowner also grants perming after land application of perminents applicable to such a	rmitted residuals for the application.				
			her industrial sludges Yes □ No				
		=					
WAYNE BARNES	Wayne Barner	mes / 19315 a	ilkowseld				
Landowner – Printed Name, Title	e Sighature	Anud	Ing Address & Phone Number				
Permittee: Recyc Systems, Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.							
specifically prior to any particu		s land. Notice shall include the	source of residuals to be applied				
☐ I reviewed the document(s) document(s) available to DEQ	assigning signatory authority to the for review upon request. (Do not	the person signing for landowner check this box if the landowner sig	er above. I will make a copy of thins this agreement)				
Round	Quelo		mington, Virginia 22734				
Permittee – Authorized Represe Printed Name		Ма	ling Address				

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VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Recyc Systems, Inc	County or City: Dinwiddie
Landowner: Wayne C. & Margaret B	Barnes
Landowner Site Management Requirements:	
I, the Landowner, I have received a DEQ Biosolids Fact She application of biosolids, the components of biosolids and pro	eet that includes information regarding regulations governing the land oper handling and land application of biosolids.
I have also been expressly advised by the Permittee that the identified below must be complied with after biosolids have that I am responsible for the implementation of these practic	e site management requirements and site access restrictions been applied on my property in order to protect public health, and es.
I agree to implement the following site management practice biosolids at the site:	es at each site under my ownership following the land application of
 Notification Signs: I will not remove any signs posted biosolids land application site, unless requested by th completed. 	by the Permittee for the purpose of identifying my field as a lee Permittee, until at least 30 days after land application at that site is
Public Access a. Public access to land with a high potential for any application of biosolids.	r public exposure shall be restricted for at least one year following
 Public access to land with a low potential for application of biosolids. No biosolids amend 	public exposure shall be restricted for at least 30 days following any led soil shall be excavated or removed from the site during this ons are made to prevent public exposure to soil, dusts or aerosols;
 c. Turf grown on land where biosolids are appli 	ed shall not be harvested for one year after application of biosolids and with a high potential for public exposure or a lawn, unless
not be harvested for 14 months after the app b. Food crops with harvested parts below the s application of biosolids when the biosolids re months prior to incorporation into the soil, c. Food crops with harvested parts below the si biosolids remain on the land surface for a tim d. Other food crops and fiber crops shall not be	the biosolids/soil mixture and are totally above the land surface shall dication of biosolids. Furface of the land shall not be harvested for 20 months after the smain on the land surface for a time period of four (4) or more surface of the land shall not be harvested for 38 months when the period of less than four (4) months prior to incorporation. Figure harvested for 30 days after the application of biosolids; as after the application of biosolids (60 days if fed to lactating dairy).
4. Livestock Access Restrictions: Following biosolids application to pasture or hayla a. Meat producing livestock shall not be grazed to b. Lactating dairy animals shall not be grazed for c. Other animals shall be restricted from grazing.	for 30 days, or a minimum of 60 days.
	tions will be coordinated with the biosolids and industrial residuals is are not exceeded as identified in the nutrient management plan 0.1-104.2 of the Code of Virginia;
	admium, should not be grown on the Landowner's land for three all residuals which bear cadmium equal to or exceeding 0.45
Wayne Barner	10-3-14
Landowner's Signature	Date
	19315 Courthouse Rd.
,) 7.	Dinwiddie IVA 23841 804-469-3118
Fam Operator Signature	Mailing Address & Phone Number

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Landowner Coordination Form

This form is used by the Permittee to identify properties (tax parcels) that are authorized to receive biosolids and/or industrial residuals, and each of the legal landowners of those tax parcels. A Land Application Agreement-Biosolids and Industrial Residuals from original signature must be attached for each legal landowner identified below prior to land application at the identified parcels.

Permittee:

Recyc Systems, Inc.

Site Name:

Wayne C. Barnes

County or City:

Dinwiddie County

Please Print

Signature not required on this page

Tax Parcel ID(s)	Landowner(s)
71-12	Wayne C. and Margaret B. Barnes
71-11	Wayne C. and Margaret B. Barnes
71-11A	Wayne C. and Margaret B. Barnes
71-9	Margaret Brugh Barnes
•	

FARM DATA SHEET

SITE NAME:	Wayne C. Barnes	COUNTY:	Dinwiddie
OWNER:	Wayne C. and Margaret B. Barnes	OPERATOR:	Wayne C. Barnes
OWNER'S	19315 Courthouse Road	OPERATOR'S	19315 Courthouse Road
ADDRESS:	Dinwiddie, VA 23841	ADDRESS:	Dinwiddie, VA 23841
OWNER'S TELEPHONE:	804-469-3118	OPERATOR'S TELEPHONE:	804-469-3118
GENERAL FARM TYPE:	Row Crop	CELL PHONE:	4
# CATTLE:	None	EMAIL:	2
LAGOON or SLURRY:	None	LATITUDE:	37.007
TOPO QUAD:	Dinwiddie	LONGITUDE:	-77.572
COMMENTS:		METHOD OF DETERMINATION:	Online Maps
			10-7-20
			BB

FIELD CHANGES WAYNE C. BARNES SITE DINWIDDIE COUNTY

NEW FIELD 1 IS OLD FIELD 1.

NEW FIELD 2 IS OLD FIELD 2.

NEW FIELDS 3-6 ARE NEW FIELDS.

RECYC SYSTEMS, INC FIELD DATA SHEET

Field	Gross	Environn	nentally S		Soils		Tax	FSA
Identification	Acres	Water Table	Bed Rock/ Shallow	Surf/ Leach	Freq Flood	Hydro	Man #	Tract#
Identification	ACIES	water rable	Silallow	Leacii	Freq Flood	Мар	Мар#	
DWWYB 1	8.1	12B DecMar.	44	12	re re	CU 24	71-11	T 2087 F 8
DWWYB 2	9.0	12B DecMar. 17A NovMar.	-	:=	:=	CU 24	71-12	T 2087 F 2
DWWYB 3	13.4	12A DecMar. 12B DecMar. 14A NovApr.	-	0 =		CU 24	71-11	T 2087 F 1, 3, 4
DWWYB 4	15.1	12A DecMar. 12B DecMar.	Ž.		Œ	CU 24	71-11	T 2087 F 5, 6, 9
DWWYB 5	4.1	12A DecMar. 12B DecMar.	=	12	-2	CU 24	71-11	T 2087 F 10, 11
DWWYB 6	20.2	12A DecMar. 12B DecMar.	-	(H	-	CU 24	71-9	T 2087 F None
							= =	
TOTAL ACRES IN SITE	69.9							

THE PLANNER IS NOT STATE CERTIFIED

Nutrient Management Plan Balance Sheet (Fall, 2020-Winter, 2022) Wayne C. Barnes Planner: John Doe

Tract: 2087 Location: Dinwiddie

(N = N based, 1P = P based, 1.5P = P based at 1.5 removal, 0P = No P allowed)

Field CFSA No. /Name	Size (ac) Total/ Used	Yr.	Crop	Needs N-P-K (Ibs/ac)	Leg /Man Resid	Manure/Biosld Rate & Type (season)	(d)	Man/Bios N-P-K (lbs/ac)	Net = Needs - appld N-P-K (lbs/ac)	Sum P rem cred	Commercial N-P-K (lbs/ac)	Notes	
8/DWWYB 1(N)	8/8	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
2/DWWYB 2(N)	9/9	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
1, 3, 4/DWWYB 3(N)	13/13	2020	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
5, 6, 9/DWWYB 4(N)	15/15	2020	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
10, 11/DWWYB 5(N)	4/4	2020	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			
None/DWWYB 6(N)	20/20	2020 2021	Wheat (grain)	100-60-60	20/0				80-60-60	N/A			

Commercial Application Methods:

br - Broadcast ba - Banded sd - Sidedress

Notes:

Soil Test Summary

Tract	Field	Acre	Date	P2O5	K20	Lab	Soil pH	Lime Date	rec. lime tons/Ac
2087	DWWYB 1	8	[No Test]				- F		
2087	DWWYB 2	9	[No [*] Test]						
2087	DWWYB 3	13	[No Test]						
2087	DWWYB 4	15	[No Test]						
2087	DWWYB 5	4	[No Test]						
2087	DWWYB 6	20	[No Test]						

Field Productivities for Major Crops

Tract Name	Tract/ Field	Field Name	Acres	Predominant Soil Series	Corn	Small Grain	Alfalfa	Grass Hay	Environmental Warnings
2087	2087/8	DWWYB 1	8	Emporia	Illa	11	III	11	•
	2087/2	DWWYB 2	9	Mattaponi	Illa	11	Ш	11	
	2087/1, 3, 4	DWWYB 3	13	Mattaponi	Illa	II	III	II	
	2087/5, 6, 9	DWWYB 4	15	Mattaponi	Illa	11	Ш	11	
	2087/10, 11	DWWYB 5	4	Mattaponi	Illa	11	Ш	II	
	2087/Non e	DWWYB 6	20	Mattaponi	llla	11	Ш	II	

Yield Range

Field Productivity Group	Corn Grain Bu/Acre	Barley/Intensive Wheat Bu/Acre	Std. Wheat Bu/Acre	Alfalfa Tons/Acre	Grass/Hay Tons/Acre
	>170	>80	>64	>6	>4.0
II	150-170	70-80	56-64	4-6	3.5-4.0
III	130-150	60-70	48-56	<4	3.0-3.5
IV	100-130	50-60	40-48	NA	<3.0
V	<100	<50	<40	NA	NA

Farm Summary Report

Plan: New Plan Fall, 2020 - Winter, 2022

Farm Name: Wayne C. Barnes

Location: Dinwiddie Specialist: John Doe N-based Acres: 69.9 P-based Acres: 0.0

Tract Name: 2087 FSA Number: 2087

Location: Dinwiddie

Field Name: DWWYB 1

Total Acres: 8.10 Usable Acres: 8.10

FSA Number: 8 Tract: 2087

Location: Dinwiddie

Slope Class: B Hydrologic Group: C

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

87 5B Emporia 13 12B Mattaponi

Field Warnings:

Field Name:

DWWYB 2

Total Acres:

Usable Acres: 9.00 9.00

FSA Number: 2 Tract:

2087

В

Location:

Dinwiddie

Slope Class:

Hydrologic Group:

С

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

PH

Р

Κ

Lab

[NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

39 26 12B Mattaponi

17A Slagle

35

Emporia

Field Warnings:

Field Name:

DWWYB 3

5B

Total Acres:

13.40 Usable Acres: 13.40

FSA Number: 1, 3, 4

Tract:

2087

В

Location:

Dinwiddie

Slope Class:

Hydrologic Group:

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary N-based Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method Soil Test Results: Р DATE Κ PH Lab [NO TEST] Soils: PERCENT SYMBOL **SOIL SERIES** 29 12A Mattaponi 65 12B Mattaponi 7 14A Myatt Field Warnings: Field Name: **DWWYB 4** Total Acres: 15.10 Usable Acres: 15.10 FSA Number: 5, 6, 9 Tract: 2087 Dinwiddie Location: Hydrologic Group: Slope Class: В С Riparian buffer width: 0 ft Distance to stream: 0 ft P-Index Summary N-based Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method Soil Test Results: Ρ Κ DATE PH Lab [NO TEST]

Soils:

PERCENT SYMBOL SOIL SERIES

17	12A	Mattaponi
66	12B	Mattaponi
17	5B	Emporia

Field Warnings:

Field Name:

DWWYB 5

Total Acres:

4.10 Usable Acres: 4.10

FSA Number: 10, 11

0 11

Tract:

2087

В

Location:

Dinwiddie

Slope Class:

Hydrologic Group:

С

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE

PH

Р

Κ

Lab

[NO TEST]

Soils:

PERCENT

SYMBOL

OL SOIL SERIES

5

8B Georgeville

21

12A Mattaponi

74

12B Mattaponi

Field Warnings:

Field Name:

DWWYB 6

Total Acres:

20.20 Usable Acres: 20.20

FSA Number:

one

Tract:

None 2087

В

Location:

Dinwiddie

Slope Class:

Hydrologic Group:

С

Riparian buffer width: 0 ft Distance to stream: 0 ft

P-Index Summary

N-based

Phosphorus Limit method: Phosphorus Environmental Threshold (PET) method

Soil Test Results:

DATE PH P K Lab [NO TEST]

Soils:

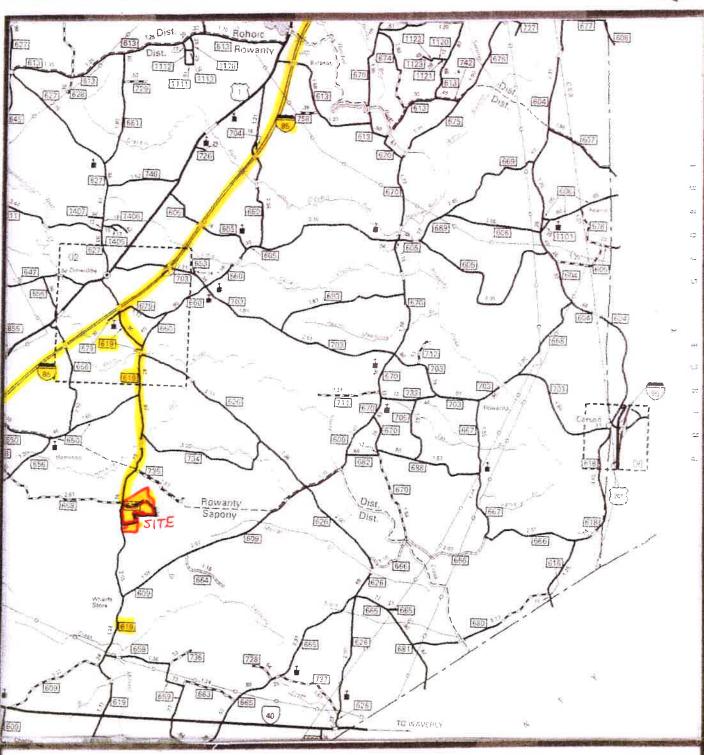
PERCENT SYMBOL SOIL SERIES
58 12B Mattaponi
35 12A Mattaponi
8 2B Appling

Field Warnings:

MAPS

Recyc Systems

(Biosolids Land Application)

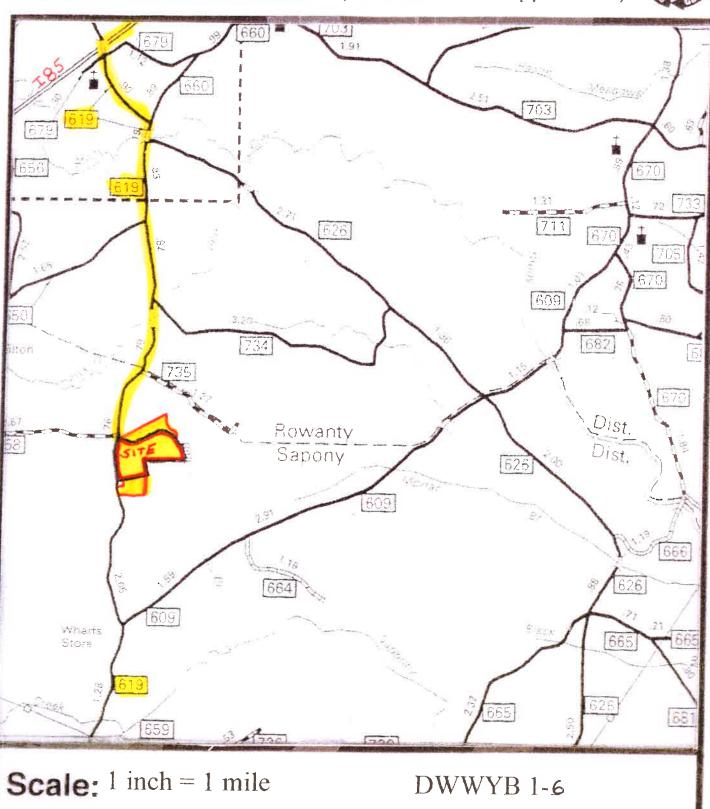


Scale: 1 inch = 2 miles

DWWYB 1-6

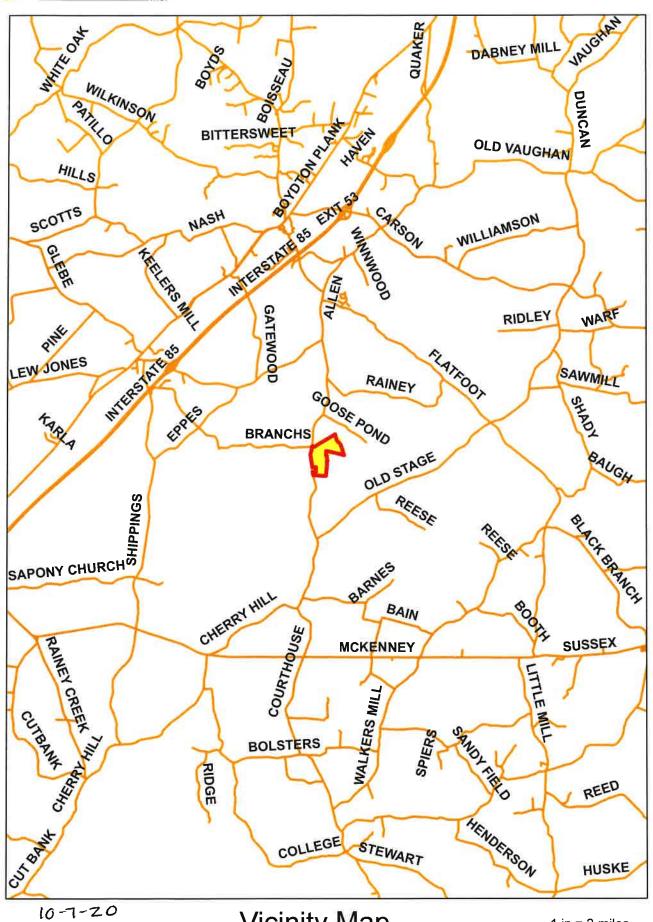
Recyc Systems

(Biosolids Land Application)





Wayne C. Barnes DWWYB

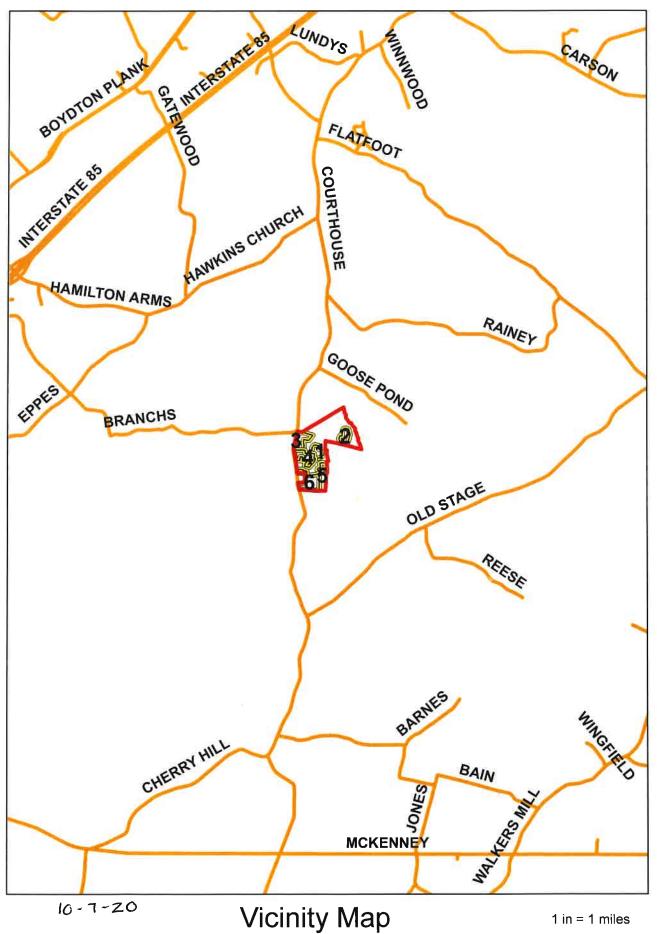






Wayne C. Barnes **DWWYB**

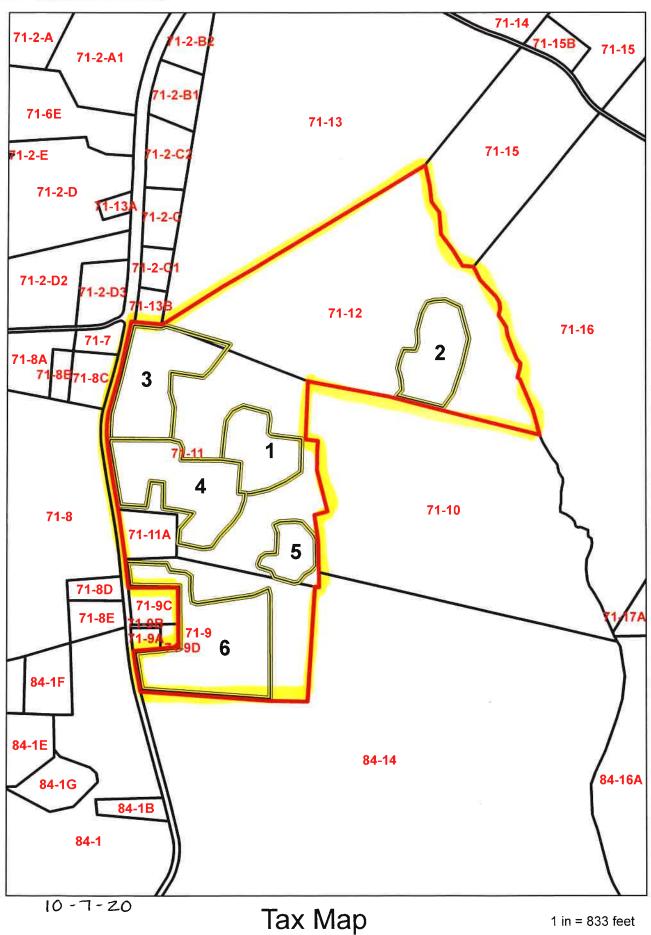
1 in = 1 miles





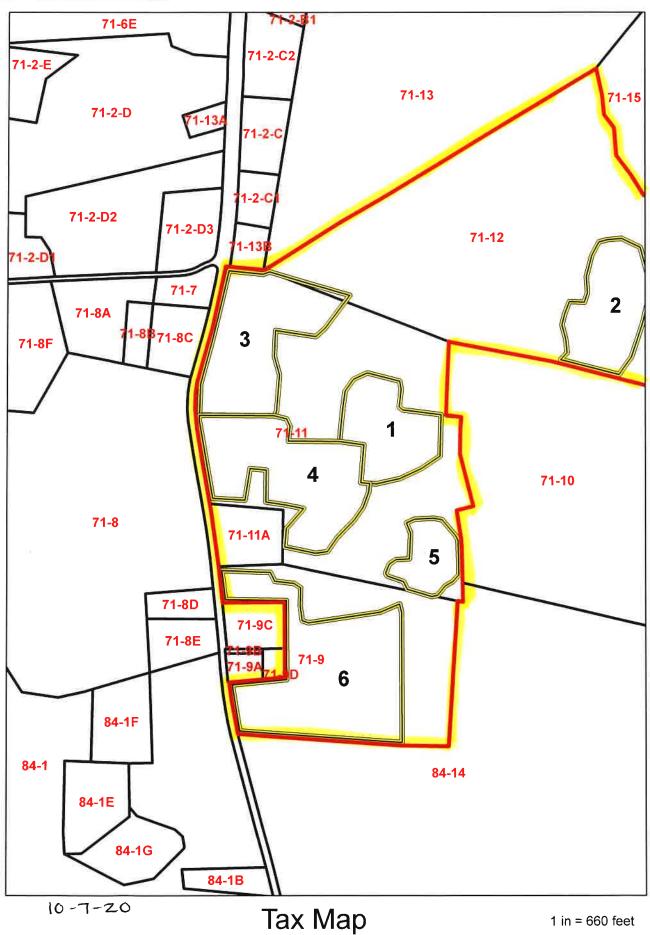
Wayne C. Barnes **DWWYB**

1 in = 833 feet





Wayne C. Barnes **DWWYB**

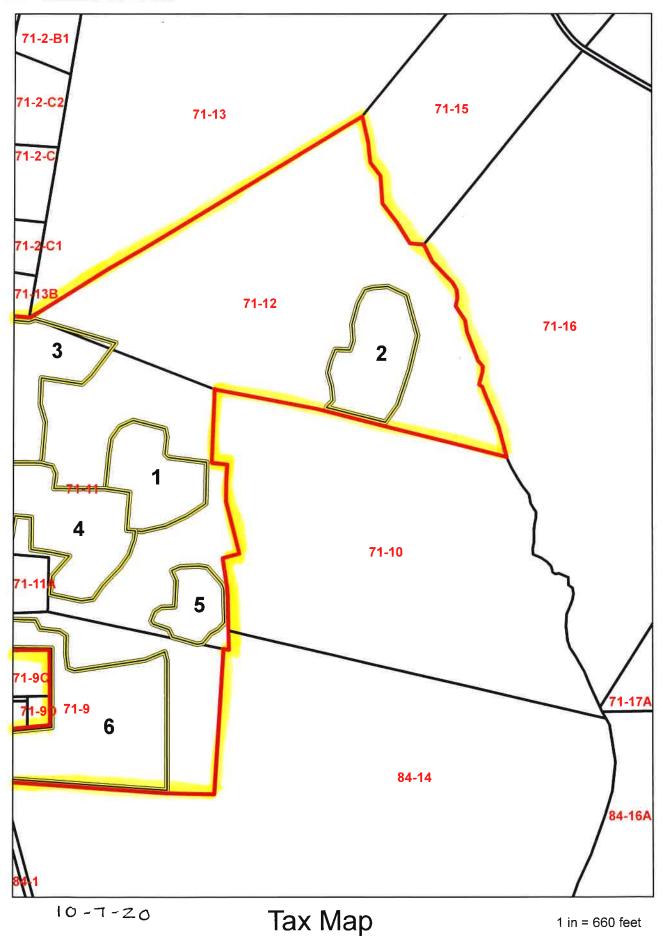






N

Wayne C. Barnes DWWYB



ADJOINING LANDOWNERS

Wayne C. Barnes

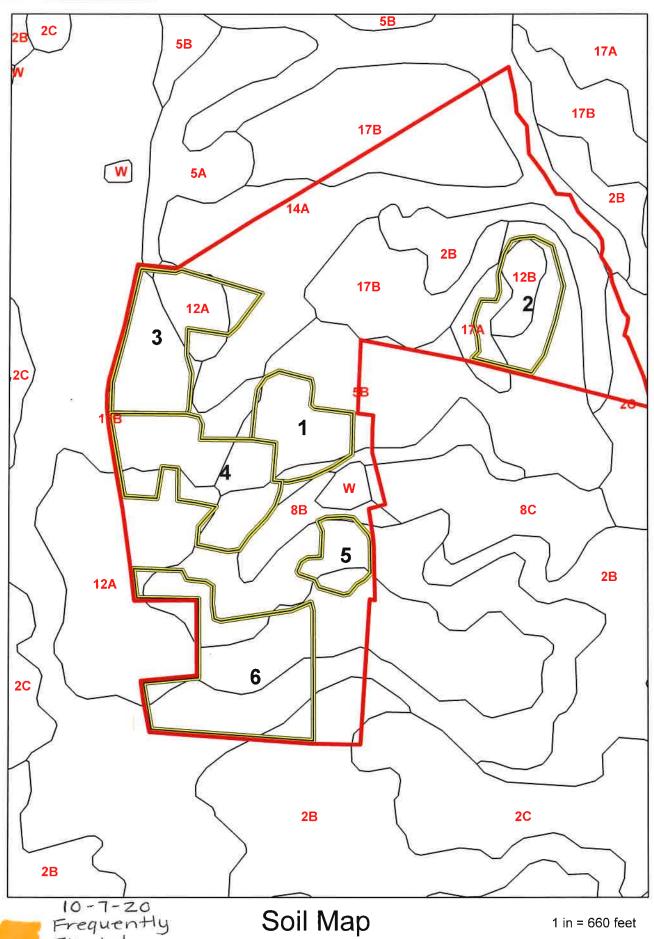
DINWIDDIE COUNTY

Tax Map	Parcel #	Owner Name(s)
Tun Iving	T direct ii	O When I teshed (b)
71	7	Esther Y. Allen
	8	Preston C. II & Donna H. Bain and Warren B. & Cynthia C. Bain
	8C	Preston C. II & Donna H. Bain and Warren B. & Cynthia C. Bain
	8D	Richard L. or Kelly L. Jordan
	8E	Richard L. Jr. and Kelly M. Lenhart Jordan
	9A	David A. and Kimberly L. Bunch
	9B	David A. and Kimberly L. Bunch
	- 9C	Joseph T. or Dody J. Gagliano
	9D	David A. and Kimberly L. Bunch
	10	Preston C. Bain II and Warren B. Bain
	13	BTG Pactual Oef Property 2 LP
	13B	James W. and Shirley P. Draper Life Estate
	15	Barnes Brothers LLC
	16	Frances Reese Henshaw
	17A	Robert G. Perkins Farms LLC
71-2	D3	Barbara R. Hall
84	1	Hawkins Farm LLC
	14	Preston C. Bain II and Warren B. Bain
	16A	BTG Pactual Oef Property 2 LP



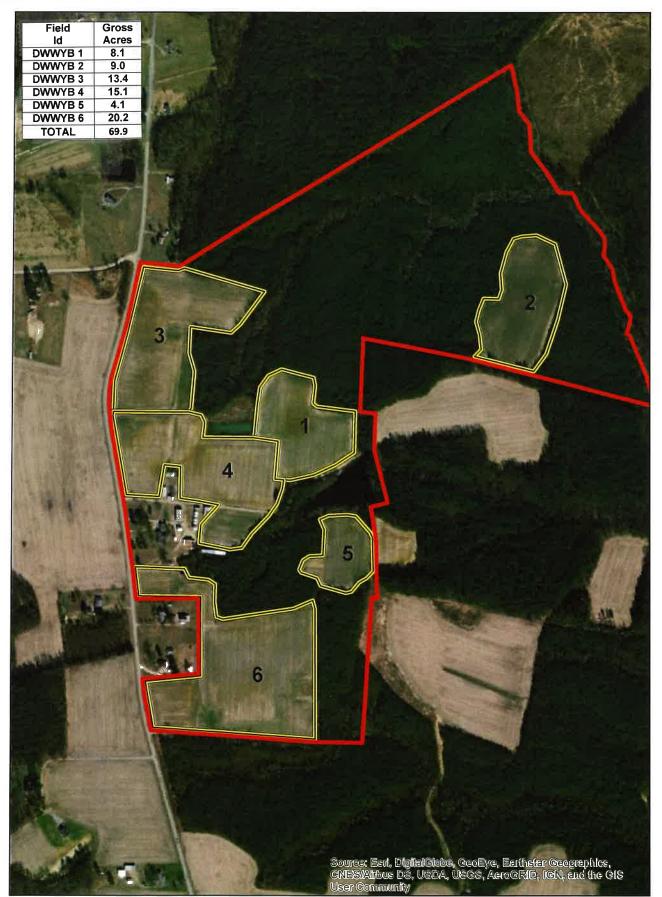
Flooded

Wayne C. Barnes DWWYB





Wayne C. Barnes DWWYB





10-7-ZO

Recyc Systems...

(Biosolids Land Application)





Scale:

1 inch = 660 feet

DWWYB 1-6

10-7-ZO

AERIAL MAP

N

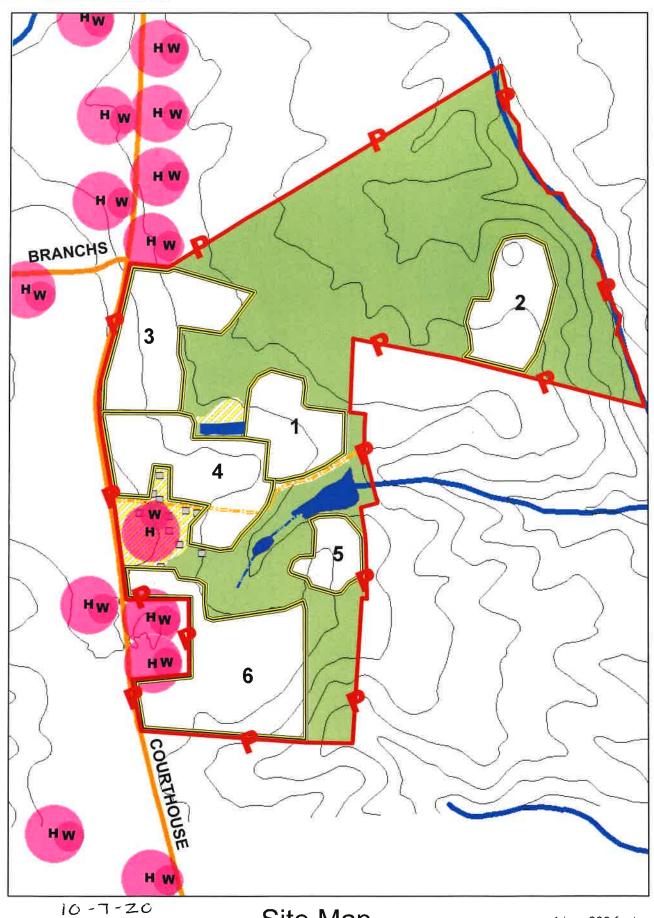
Legend For Site Plan

Symbol	Feature	Minimum Setback
H/W	House and Well	200 feet from occupied dwelling * 100 feet from water supply wells or springs
w	Well or Spring	100 feet from water supply wells or springs
~	Streams or Surface Water	35 feet with 35 foot vegetated buffer 100 feet without vegetated buffer
ш	Wet Spot	(a
	Trees and Woods	
	Private Drive	
R	Rock Area/Rock Outcrop	25 feet from rock outcrops 50 feet from limestone rock outcrops
Ξ	Severely Eroded Spot	18 Inch minimum depth of soil
	Sink Hole	100 feet from open sinkholes 50 feet from closed sinkholes
	State Road	10 feet from side of roadway
	Fence / Field Boundary	
_P _ P _ P	Property Line	100 feet from property line *
SL S	Slope	15% maximum
	Hashed out Area	No application

^{*}Buffer can be reduced or waived upon written consent from landowner.



Wayne C. Barnes DWWYB





Site Map

1 in = 660 feet



